

FORM PTO-1449

U. S DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 012911-3

09/643,407

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)



APPLICANT

Itzhak PEER, et al.

FILING DATE

GROUP

August 22, 2000

1643

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

DEC 20 2001

TECH CENTER 1800/2900

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

COM	AR	PE'ER, I. ET AL. "SPECTRUM ALIGNMENT: EFFICIENT RESEQUENCING BY HYBRIDIZATION" /
	AS	PROCESSING OF THIS 8 TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS FOR MOLECULAR BIOLOGY (ISMB) (2000) PP 1-9 ✓
	AT	

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 012911-3

09/643,407

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

Itzhak PEER, et al.

FILING DATE

GROUP

August 22, 2000

1643

Use several sheets if necessary)

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
CSM	AA	5 4 9 2 8 0 6	2/1996	Drmanac	435	6	
CSM	AB	5 5 2 5 4 6 4	6/1996	Drmanac	435	6	
CSM	AC	5 6 6 7 9 7 2	9/1997	Drmanac	435	6	
CSM	AD	5 6 9 5 9 4 0	12/1997	Drmanac	536	23	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
						YES NO
CSM	AE	9 0 0 4 6 2 5	10/1989	WO		X

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

CSM	AF	Bains, W., et al. "A Novel Method for Nucleic Acid Sequence Determination" <i>J. Theor. Biol.</i> , Vol. 135, p. 303-307, (1988)
CSM	AG	Ben-Dor, A., et al. "On the Complexity of Positional Sequencing by Hybridization" <i>Proc. 10th Int'l. Conf. On Combinatorial Pattern Matching</i> (CPM '99), p. 88-100, (1999)
CSM	AH	Cargill, M., et al. "Characterization of single-nucleotide polymorphisms in coding regions of human genes" <i>Nature Genetics</i> , Vol. 22, p. 231-238, (1999)
CSM	AI	Durbin, R., et al. "Biological Sequence Analysis: Probabilistic models of proteins and nucleic acids" Cambridge University Press, (1998)
CSM	AJ	Eddy, S.R. "Hidden Markov models" <i>Current Opinions in Structural Biology</i> , Vol. 6, No. 3, p. 361-365, (1996)
CSM	AK	Hirschberg, D.S. "A Linear Space Algorithm for Computing Maximal Common Subsequences" <i>Communications of the ACM</i> , Vol. 18, No. 6, p. 341-343, (1975)
CSM	AL	Jukes, T.H., et al. "Evolutionary Change in Nucleotide Sequences" <i>Mammalian Protein Metabolism</i> , New York, Academic Press, p. 21-123, (1969)
CSM	AM	Khrapko, K.R., et al. "Oligonucleotide hybridization approach to DNA sequencing" <i>FEBS Letters</i> , Vol. 256, p. 118-122, (1989)
CSM	AN	Kimura, M. "A Simple Method for Estimating Evolutionary Rates of Base...Nucleotide Sequences", <i>J. Mol. Evol.</i> , Vol. 16, p. 111-120, (1980)

EXAMINER

DATE CONSIDERED 1/12/02

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 012911-3

09/643,407

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Itzhak PEER, et al.

FILING DATE

GROUP

August 22, 2000

1643

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA						

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

Krogh, A., et al. "Hidden Markov Models in Computational Biology: Applications to Protein Modeling UCSC-CRL-93-32" Dept. of Computer and Information Sciences, UCSC, (1993)

Krogh, A., et al. "Hidden Markov Models in Computational Biology: Applications to Protein Modeling" *J. Mol. Biol.*, Vol. 235, p. 1501-1531, (1994)

Lysov, Y.P., et al. "Determining DNA Nucleotide Sequence by Means of Oligonucleotides Hybridization: A New Method" *Dokl. Acad. Sci., USSR*, Vol. 303, p. 1508-1511, (1988)

Pevzner, P.A., et al. "Towards DNA Sequencing Chips" *Mathematical Foundations of Computer Science, LNCS*, Vol. 841, p. 143-158, (1994)

Pevzner, P.A., et al. "Improved Chips for Sequencing by Hybridization" *J. Biomol. Struct. Dyn.*, Vol. 9, No. 2, (1991)

Frieze, A.M., et al. "Optimal Reconstruction of a Sequence from its Probes" *Journal of Computational Biology*, Vol. 6, No. 3/4, p. 361-368, (1999)

Skiena, S.S., et al. "Reconstructing Strings from Substrings" *Journal of Computational Biology*, Vol. 2, No. 2, p. 333-353, (1995)

Smith, T.F., et al. "Identification of Common Molecular Subsequences" *J. Mol. Biol.*, Vol. 147, p. 195-197, (1981)

Southern, E.M., et al. "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of ...Experimental Models" *Genomics*, Vol. 13, p. 1008-1017, (1992)

Southern, E.M. "DNA Chips: Analysing Sequence by Hybridization to Oligonucleotides on a Large Scale" *Trends in Genetics*, Vol. 12, p. 110-115, (1996)

Wang, D.G., et al. "Large-Scale Identification, Mapping, and Genotyping of Single-Nucleotide Polymorphisms...Genome" *Science*, Vol. 280, p. 1077-1082, (1998)

Yang, Z. "Maximum-Likelihood Estimation of Phylogeny from DNA Sequences When Substitution Rates Differ over Sites" *Molecular Biology and Evolution*, Vol. 10, p. 1396-1401, (1993)

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.